

Appl. No. 10/632,565

Am't. dated September 6, 2006

Reply to Office Action of June 7, 2006

Atty. Ref. 81868.0101

Customer No. 26021

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (Currently amended) An automatic balancing device comprising:  
a hollow housing case body rotated with a rotary body and having an annular space formed inside of the hollow housing case body;  
a plurality of balance balls accommodated in the annular space of the hollow housing case body in a freely movable manner so as to cancel an imbalance of the rotary body; and  
a film of a volatile rust preventing agent formed on a surface of the plurality of balance balls,

wherein the annular space is formed in a sealed state and the volatile rust preventing agent is contained in a vaporized state in the annular space.

2. (Canceled)
3. (Currently amended) The automatic balancing device according to claim 1, wherein the balance ball balls are formed of chrome steel.
4. (Original) The automatic balancing device according to claim 1, further comprising a magnet body disposed in a space formed in the hollow housing case body and the balance balls are respectively formed with steel having a magnetism, the magnet body exerts magnetic action so that the steel balls can be repulsive to each other, the space in which the magnet body is disposed and the annular space in which the balance balls are accommodated are in communication with each other and the magnet body is impregnated with the volatile rust preventing agent.
5. (Currently amended) An automatic balancing device comprising:  
a hollow housing case body rotated with a rotary body and having an annular space formed inside of the hollow housing case body;

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a plurality of balance balls accommodated in the annular space of the hollow housing case body in a freely movable manner so as to cancel an imbalance of the rotary body; and

a film of a volatile rust preventing agent formed on at least a surface on which the plurality of balance balls move,

wherein the annular space is formed in a sealed state and the volatile rust preventing agent is contained in a vaporized state in the annular space.

6. (Original) The automatic balancing device according to claim 5, wherein the film of the volatile rust preventing agent is formed on nearly an entire surface of the annular space of the hollow housing case body.

7-11. (Canceled)

12. (Original) The automatic balancing device according to claim 1, wherein the hollow housing case body includes an upper ring-shaped annular member.

13. (Original) The automatic balancing device according to claim 5, wherein the hollow housing case body includes an upper ring-shaped annular member.

14. (Original) The automatic balancing device according to claim 12, wherein the upper ring-shaped annular member has a cup shape.

15. (Original) The automatic balancing device according to claim 13, wherein the upper ring-shaped annular member has a cup shape.

16. (Original) The automatic balancing device according to claim 12, wherein the upper ring-shaped annular member is made of a resin material.

17. (Original) The automatic balancing device according to claim 13, wherein the upper ring-shaped annular member is made of a resin material.

18. (Original) The automatic balancing device according to claim 1, wherein a height and width of the hollow housing case body is larger than a height and width of the plurality of balance balls.

19. (Original) The automatic balancing device according to claim 5, wherein a height and width of the hollow housing case body is larger than a height and width of the plurality of balance balls.

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20. (Canceled)

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